

Jürgen Mlynek

List of Publications

1. M. Lequime, J. Mlynek and J.P. Hermann
"Intensity dependent total reflection in carbon disulfide with picosecond pulses"
Opt. Commun. 19, 423-426 (1976)
2. W. Lange and J. Mlynek
"Quantum beats in transmission by time-resolved polarization spectroscopy"
Phys. Rev. Lett 40, 1373-1375 (1978)
3. W. Lange and J. Mlynek
"Quantum beats in transmission by time-resolved polarization spectroscopy"
J. Opt. Soc. Am. 68, 1637 (1978)
4. J. Mlynek and W. Lange
"A simple method of observing coherent ground state transients"
Opt. Commun. 30, 337-340 (1979)
5. J. Mlynek, K.H. Drake, W. Lange and H. Brand
"Observation of transient and stationary Zeeman coherence by polarization spectroscopy"
in: Laser Spectroscopy IV, Hrsg: H. Walther and K.W. Rothe
(Springer Verlag Heidelberg, 1979) S. 616-617
6. H. Brand, K.H. Drake, W. Lange and J. Mlynek
"Level crossing in forward scattering by laser polarization spectroscopy"
Phys. Lett. 75A, 345-347 (1980)
7. J. Mlynek, K.H. Drake, G. Kersten and W. Lange
"Modulated pumping transmission spectroscopy"
J. Opt. Soc. Am. 70, 664 (1980)
8. J. Mlynek, K.H. Drake, G. Kersten, D. Fröhlich and W. Lange
"Double-resonance polarization spectroscopy using modulation sidebands"
Opt. Lett. 6, 87-89 (1981)
9. H. Harde, H. Burggraf, J. Mlynek and W. Lange
"Quantum beats in forward scattering: subnanosecond studies with a mode-locked dye laser"
Opt. Lett. 6, 290-292 (1981)
10. J. Mlynek, W. Lange, H. Harde and H. Burggraf
"High-resolution coherence spectroscopy using pulse trains"
Phys. Rev. A 24, 1099-1102 (1981)
11. R. Scholz, J. Mlynek, A. Gierulski and W. Lange
"Experiments on pressure-induced extra-resonances involving degenerate levels"
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12. J. Mlynek, F. Mitschke, R. Deserno and W. Lange
"Optical bistability by transverse optical pumping"
Appl. Phys. B 28, 135 (1982)
13. J. Mlynek, N.C. Wong, R.G. De Voe, E.S. Kintzer and R.G. Brewer
"Raman heterodyne detection of nuclear magnetic resonances"
Phys. Rev. Lett. 50, 993-996 (1983)
14. F. Mitschke, R. Deserno, J. Mlynek and W. Lange
"Transients in all-optical bistability using transverse optical pumping: observation of critical slowing down"
Opt. Commun. 46, 135-140 (1983)
15. F. Mitschke, J. Mlynek and W. Lange
"Observation of magnetically-induced optical self-pulsing in a Fabry-Perot resonator"
Phys. Rev. Lett. 50, 1660-1663 (1983)
16. N.C. Wong, E.S. Kintzer, J. Mlynek, R.G. De Voe and R.G. Brewer
"Raman heterodyne detection of nuclear magnetic resonance"
Phys. Rev. B 28, 4993-5010 (1983)
17. R. Scholz, J. Mlynek and W. Lange
"Pressure-induced extra-resonances in 4-wave mixing: "evidence for a breakdown of the impact approximation"
Phys. Rev. Lett. 51, 1761-1764 (1983)
18. J. Mlynek, F. Mitschke, E. Köster and W. Lange
"Intracavity and usual phase conjugation through resonant degenerate 4-wave mixing in a 3-level medium"
in: *Coherence and Quantum Optics V*, Eds: L. Mandel and E. Wolf
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19. N.C. Wong, J. Mlynek, E.S. Kintzer, R.G. De Voe and R.G. Brewer
"Raman heterodyne detection of NMR"
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20. J. Mlynek, F. Mitschke and W. Lange
"Critical slowing down and magnetically-induced self-pulsing in a sodium-filled Fabry-Perot resonator"
in: *Optical Bistability 2*, Eds: C.M. Browden, H.M. Gibbs, and S.L. McCall
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21. W. Lange, R. Scholz, A. Gierulski and J. Mlynek
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26. W. Lange, F. Mitschke, R. Deserno and J. Mlynek
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31. F. Mitschke, R. Deserno, J. Mlynek and W. Lange
"Transients in optical bistability: experiments with external noise"
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"Raman heterodyne studies of velocity diffusion effects in radio-frequency-laser double resonance"
Phys. Rev. A 34, 1977-1994 (1986)
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"Collision-induced Ramsey resonances in Sm vapor"
Phys. Rev. Lett. 57, 1300-1303 (1986); Erratum: Phys. Rev. Lett. 57, 2332 (1986)
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65. M. Rosatzin, D. Suter and J. Mlynek
"Light-shift induced spin echoes in an atomic ground state"
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94. C.S. Adams, J. Vorberg and J. Mlynek
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